ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Evan Winston	1/19/01	01-0056	-	301.925.0348	2013	DEV/CO

8. CCR Title: Test Executable 5B.06_STMGT.05 to all sites. Includes fix for NCR 29509 and others. This TE includes ALL packages from current 5B baseline for STMGT, INGEST and DDIST!!!!!!!!

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 19Jan2001
1/19/01	T	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 28).
1/19/01	Update ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:
N/A	N/A	STMGT, INGEST, DDIST.

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
5B		None - Under 100K

22. Source Reference: ☒NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:
NCRs: STMGT 29509; INGEST 29289, 29236, 28588, 26484, 15328, and 29439.

23. Problem: (use additional Sheets if necessary)
THis TE corrects 29509 which was introduce with TE 5B.06_STMGT.04. It includes all the NCR fixes that were provided with STMGT.04 (please reference the CCR for this TE); PLUS it includes several INGEST fixes that had already been merged to the 5B software baseline. Due to the changes to STMGT, the DDIST and INGEST packages have to be delivered at the same time. Information on the other NCR fixes appears on page 3.
IF YOU HAVE INSTALLED STMGT.04 you NEED TO INSTALL STMGT.05 as soon as possible!!!!!

24. Proposed Solution: (use additional sheets if necessary)
Test Executable 5B.06_STMGT.05 will provide fixes to the NCRs listed. TE can only be loaded on top of 5B.06 installations..06 This TE will obsolete the previous 5B.06_STMGT.02, STMGT.03, STMGT.04 and the debug TE, 5B.06_STMGT_JF28965 and INGEST.05, and INGEST.06 If any of these TE have not been previously installed -. YOU DO SHOULD NOT LOAD THEM NOW as this STMGT.05 provides all the NCR fixes contained in the above listed TEs. Please refer to those TEs for the NCR lists.
Files provided for both sgi 6n32 and IRIX65 as well as Sun Server files..

25. Alternate Solution: (use additional sheets if necessary)
Take no action now and wait until 5B.07 is available at the DAACs. There is no acceptable alternate if STMGT.04 is not backed out.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
DAACs must continue to work around the problems and/or modify operating procedures.

27. Justification for Emergency (If Block 15 is "Emergency"):
Resolves DAAC operational problems and several of the NCRs are on the ECS priority list..

28. Site(s) Affected: ☐EDF ☒PVC ☒VATC ☒EDC ☒GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL ☐EOC ☐IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
Bryan Peters 1/19/01	
33. M&O CCB Chair (Sign/Date):	**Disposition:** (Approved) App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
1-19-01	
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

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ADDITIONAL SHEET

CCR #: 01-0056 **Rev:** **Originator:** Evan Winston

Telephone: 301.925.0348 **Office:** DEV/CO

Title of Change: Test Executable 5B.06_STMGT.05 to all sites. Includes fix for NCR 29509 and others. This TE includes ALL packages from current 5B baseline for STMGT, INGEST and DDIST!!!!!!!!!

CONTENT:
CM: PLEASE,

build SGI (6n32) TAR file for the listed .pkg from current 5B baseline and provide to SMC:

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg
.EcDsStFtpDisNoBrowse.pkg
.EcInAPCSVR.pkg
.EcInINTFCSVR.pkg

build SGI (IRIX65) TAR file for the listed .pkg from current 5B baseline and provide to SMC:

.EcDsStArchive.pkg
.EcDsStDatabase.pkg
.EcDsStIngestFtp.pkg
.EcDsStPullMonitor.pkg
.EcDsStFtpDisNoBrowse.pkg
.EcInAPCSVR.pkg
.EcInINTFCSVR.pkg

build SUN TAR file for the listed .pkg files from the current 5B baseline and provide to the SMC:

.EcDsStGUI.pkg
.EcDsStMediaDis.pkg
.EcDsStD3.pkg
EcDsDdDISTSRVR.pkg
.EcInGUIOPSWS.pkg
.EcInEMAILSVR.pkg

SMC: Receive the TAR files and make available to the DAACs, PVC and VATC.

DAAC Install Instructions:
TE can be loaded on top of STMGT installations of 5B.06. This TE will obsolete the previous 5B.06_STMGT.02, STMGT.03 and the debug TE, 5B.06_STMGT_JF28965. As well as INGEST.05 and INGEST.06

Important NOTE !!!!!!!!!!!
For this install you will use the instructions below and then be using parts of the STMGT/INGEST DDIST Install Instructions from the 5B.06 Installation Instructions previously provided.

1. Get TAR Files from SMC distribution;
Make sure you select the SUN TAR file as well as the proper SGI TAR files--either for 6n32 or IRIX65.

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2. UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select 'Y' when prompted for "Update ECS Assist Common Files" to get the latest version of ECS ASSIST. THIS MUST BE RUN AS ROOT.

3. Modify the file permissions as specified below

cd/<distribution_directory>/<stage_directory>/SUN/CUSTOM/dbms
chmod 744 DSS/EcDsStDbLogin
chmod 744 INS/EcInDbLogin

4. On a SUN host, use E.A.S.I. to perform automated installation of the STMGT and INGEST SGI hosts and STMGT, INGEST AND DDIST SUN hosts as follows:

a. Select the Mode to be installed
b. Enter the location of the staged files
c. Select CUSTOM and Click Next
d. Hold down the SHIFT Key and select each of the STMGT/INGEST AND DDIST SGI and SUN hosts. Click Next
e. Select Install as the Installation Phase and Click Next
f. Select STAGE as the Source File Location . Click Next
g. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next
h. Click COMM and ensure all hosts turn green, signaling they are communicating with ECS E.A.S.I.
i. Click INSTALL and monitor each host. Ensure each SGI and SUN host turns green signaling a successful installation.

5. For INGEST you will have to INSTALL DB Patches up to # 60. If INGEST.05 and .06 have been installed you will need only to install patch 60.

Apply the INGEST Datatbase patches on the INGEST xxicgxx host. Must have DBO privilege to perform this task.:

a. Determine the current version of the INGEST database
    i. Use isql to access the INGEST database
    ii. Execute the following
        Select * from EcDbDatabaseVersions where EcDbCurrentVersionFlag = "Y"
    iii. Record the value in the EcDbComments field
b. Apply the INGEST Database Patch from the SubSystem Manager.
    a. Click Database and Select Patch
    b. Select .dbparms
    c. In the Database Config Screen enter the next higher number than the number recorded in step a.iii above.
    d. Continue to apply the database patches sequentially until the INGEST database is patched to version 60 (60.60).

NOTE: If 5B.06 and TE INGEST.05 and .06 have been installed prior to the installation of this TE then you will only need to apply DB patch #60.

6.. Now Refer to the attached 5B.06 Installatin Instructions for STMGT, DDIST and INGEST for Configuration and Initalization sheets for the remaining install instructions if required. For this TE there should be no configuration changes required!!!!!!

NCR INFORMATION:
STMGT NCR 29509: Changed the disk number from a short int to an int
This will prevent the disk number from overflowing at 32,768. Files in Task:
/ecs/formal/DSS/stmgt/src/st/DsStStagingQueueEntry.h@@/main/relb/adupree_disk_overflow/1
/ecs/formal/DSS/stmgt/src/st/DsStStagingTableEntry.C@@/main/relb/adupree_disk_overflow/1
/ecs/formal/DSS/stmgt/src/st/DsStStagingTableEntry.h@@/main/relb/adupree_disk_overflow/1

INGEST NCRs: 29289, 29236, 28588, 26484, 15328, and 29439.
29289 RpcID is getting repeated

29236 5B.06,TS2 IGS INGEST .MTA file size changed.

28588 PCFG file for Polling is not needed

26484 Need new granule state for errors in Request Mgr

15328 When requests are moved to the Summary DB tables, the end time is not se..

29439 GDAZ0FH and OZ_DLYH Transfer failures

These NCRs were previously provided with STMGT.04

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23435: Removes references to STAGINGMONITORCONFIG and makes ARCHRESCONF[illegible]eneration only via the extensions button in Subsys Manager in EcsAssist. Removes references in the .cfgparms to unneeded parameters. Makes the value of ARCHRESCONFIG not configurable (Set by the Mkcfgs only) in all applicable .CFG files.

24619: Only insert the tape Id into the table that DDIST reads to get tapes associated with a request after a successful tape write. Previously a tape Id was inserted into the table prior to a successful tape write resulting in multiple tape Id's being associated with a request that were incorrect.
Note: The NCR stated that tape ID's where not displayed via the DDIST gui for requests that spanned multiple tapes. This was not reproducable in the VATC where a 8MM distrition request that spanned multiple tapes was successful, displaying the tapes in the DDIST GUI.

28629: PullMonitor warm start was fixed to not delete files in the pull cache that had yet to be linked to.

29080. 28965, 27785, 26917, 26368: Fixed several problems with CopyDaemon dump/hangs; FTPClientDaemon hangs.

28874, 28659: Fixed Storage managment hang scenarios.

28696: Fixed core dump in EcDsStStagingDiskServer during Staging Disk Destroy.

28506: Fixed leak of Shared Memory partitions.

28446: Modified DsStFileParameters.C to parse the return from a stored procedure to accept only one row. The database has an error and multiple rows were returned. Multiple rows exist because a table restraint was removed by the DAAC operator via SQL commands.

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